

## **15A NCAC 02D .0965 FLEXIBLE PACKAGE PRINTING**

(a) For the purpose of this Rule, the following definitions apply:

- (1) "First installation date" means the actual date when the equipment or control device becomes operational. This date does not change if the equipment or control device is later moved to a new location.
- (2) "Flexible Packaging" means any package or part of a package whose shape can be readily changed.
- (3) "Flexographic printing" means a printing process in which an image is raised above the printing plate, and the image carrier is made of rubber or other elastomeric materials.
- (4) "Rotogravure press" means an unwind or feed section, which may include:
  - (A) more than one unwind or feed station, such as on a laminator;
  - (B) a series of individual work stations, one or more of which is a rotogravure print station;
  - (C) any dryers associated with the work stations; and
  - (D) a rewind, stack, or collection section.
- (5) "Rotogravure printing" means a printing process in which an image type and art is etched or engraved below the surface of a plate or cylinder.

(b) This Rule applies to flexible packaging printing press sources whose emissions of volatile organic compounds meet the threshold established in 15A NCAC 02D .0902(b).

(c) The volatile organic compounds content of materials used on any single flexible packaging printing press subject to this Rule shall not exceed 0.8 pounds volatile organic compounds per one pound of solids applied, or 0.16 pounds volatile organic compounds per one pound of materials applied limits. These volatile organic compounds content limits are consistent with 80 percent overall emissions reduction level and reflect similar control levels as the capture and control option.

(d) Any flexible packaging printing press that has chosen to use add-on control for coating operations rather than comply with the emission limits established in Paragraph (c) of this Rule shall install control equipment with:

- (1) 65 percent overall control based on a capture efficiency of 75 percent and a control device efficiency of 90 percent for a press that was first installed prior to March 14, 1995 and that is controlled by an add-on control device whose first installation date was prior to July 1, 2010;
- (2) 70 percent overall control based on a capture efficiency of 75 percent and a control device efficiency of 95 percent for a press that was first installed prior to March 14, 1995 and that is controlled by an add-on control device whose first installation date was on or after July 1, 2010;
- (3) 75 percent overall control based on a capture efficiency of 85 percent and a control device efficiency of 95 percent for a press that was first installed on or after March 14, 1995 and that is controlled by an add-on control device whose first installation date was prior July 1, 2010; and
- (4) 80 percent overall control based on a capture efficiency of 85 percent and a control device efficiency of 95 percent for a press that was first installed on or after March 14, 1995 and that is controlled by an add-on control device whose first installation date was on or after July 1, 2010.

(e) EPA Method 24 or 25A of Appendix A to 40 CFR Part 60 shall be used to determine the volatile organic compounds content of coating materials used at flexible package printing facilities, unless the facility maintains records to document the volatile organic compounds content of coating materials from the manufacturer.

(f) The owner or operator of any facility subject to this Rule shall comply with 15A NCAC 02D .0903 and .0958.

*History Note: Authority G.S. 143-215.3(a)(1); 143-215.107(a)(5);  
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